

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010319\
 Data File : BF111833.D
 Acq On : 3 Jan 2019 20:48
 Operator : JU/SJ
 Sample : K1019-04
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 04 01:34:23 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 19 17:39:39 2018
 Response via : Initial Calibration

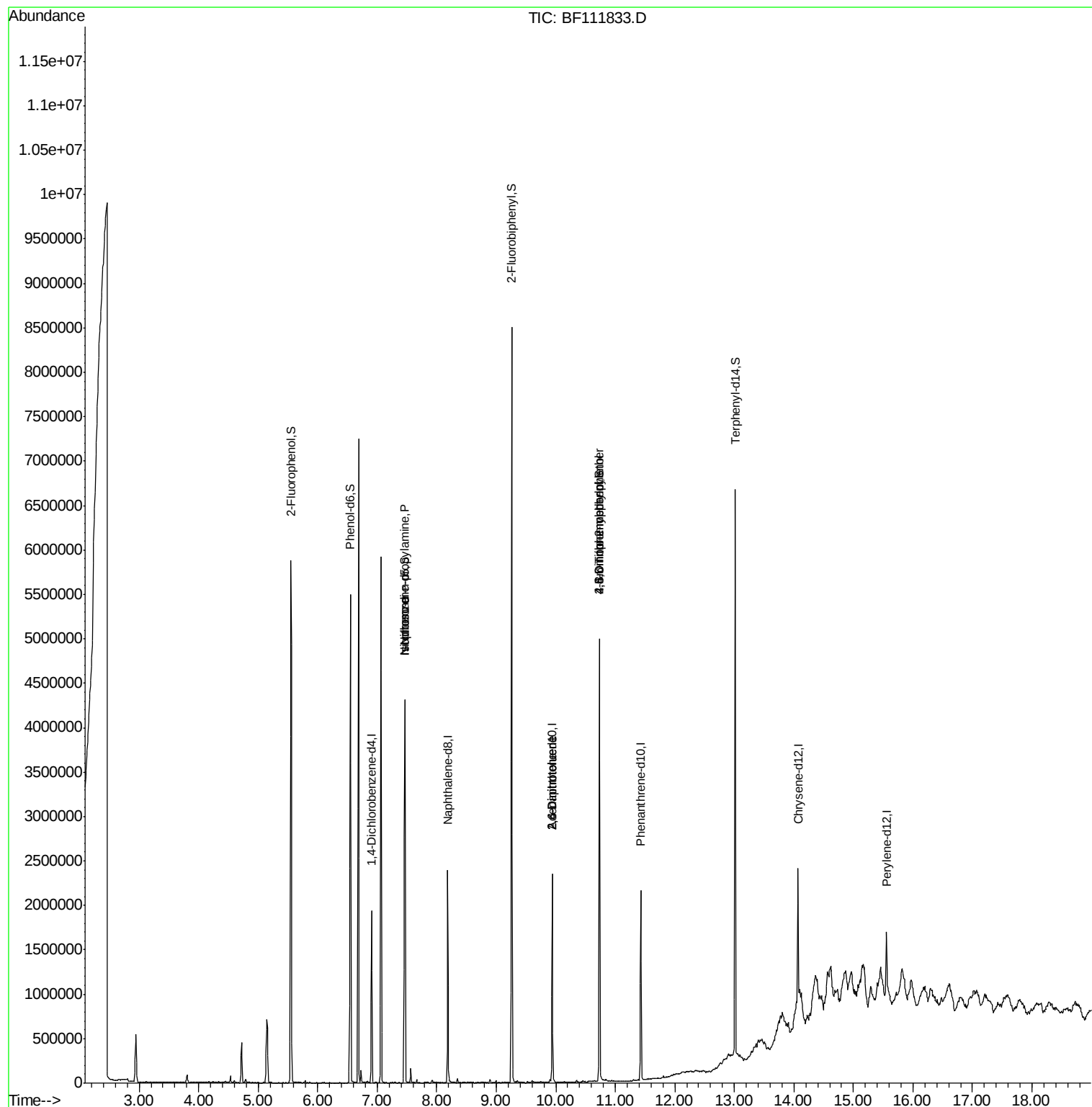
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	266004	20.00	ng	0.00
21) Naphthalene-d8	8.19	136	980367	20.00	ng	0.00
39) Acenaphthene-d10	9.94	164	475176	20.00	ng	0.00
64) Phenanthrene-d10	11.43	188	731128	20.00	ng	0.01
76) Chrysene-d12	14.07	240	506006	20.00	ng	0.02
87) Perylene-d12	15.56	264	363666	20.00	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	1711409	109.67	ng	0.04
7) Phenol-d6	6.55	99	2027197	102.07	ng	0.03
23) Nitrobenzene-d5	7.46	82	1554957	92.32	ng	0.00
42) 2,4,6-Tribromophenol	10.73	330	682435	121.55	ng	0.01
45) 2-Fluorobiphenyl	9.26	172	2755741	84.53	ng	0.00
79) Terphenyl-d14	13.02	244	2218103	83.13	ng	0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.46	70	211065	16.002	ng	# 77
25) Isophorone	7.46	82	1552257	51.914	ng	# 64
51) 2,6-Dinitrotoluene	9.94	165	60971	8.800	ng	# 29
57) 2,4-Dinitrotoluene	9.94	165	60972	7.322	ng	# 25
65) 4,6-Dinitro-2-methylphenol	10.73	198	1324	7.070	ng	# 1
67) 4-Bromophenyl-phenylether	10.73	248	41809	4.610	ng	# 1

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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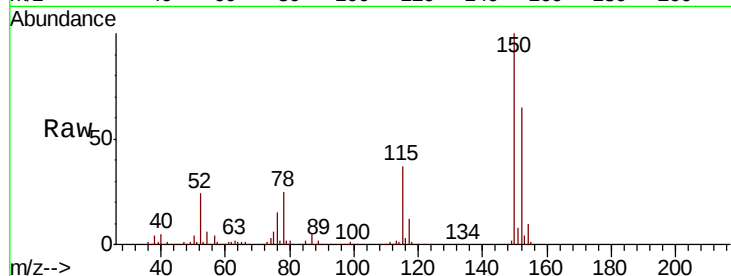


#1

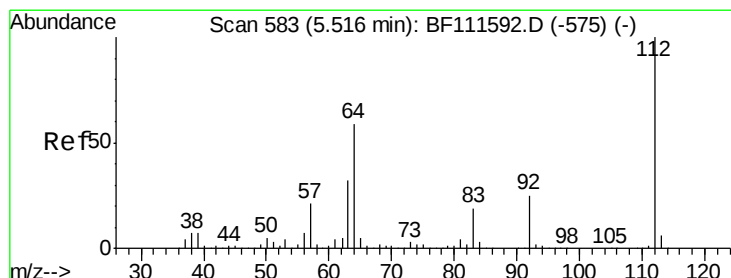
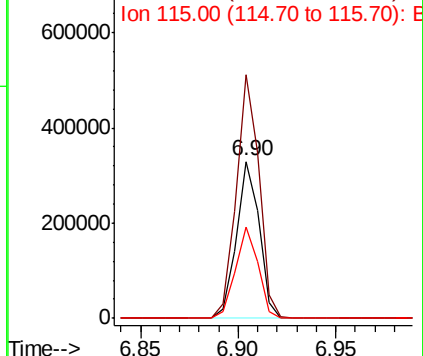
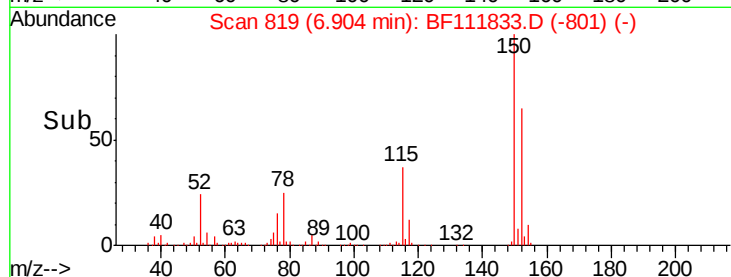
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 819
Delta R.T. 0.01 min
Lab File: BF111833.D
Acq: 3 Jan 2019 20:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 266004
Ion Ratio Lower Upper
152 100
150 155.0 126.6 189.8
115 58.1 50.7 76.1



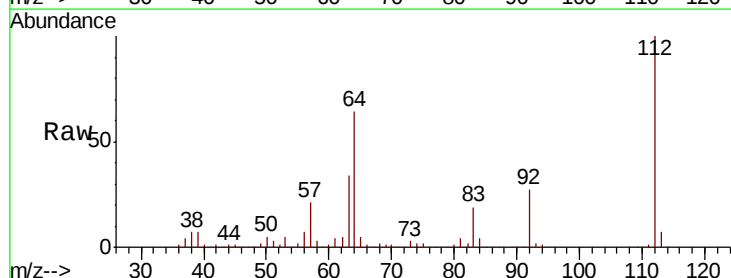
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



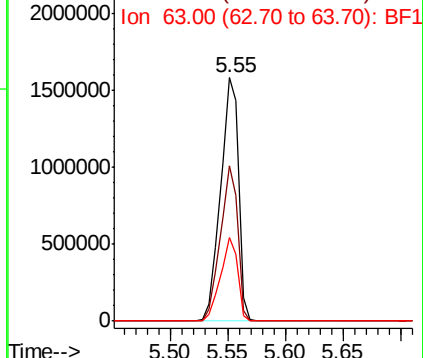
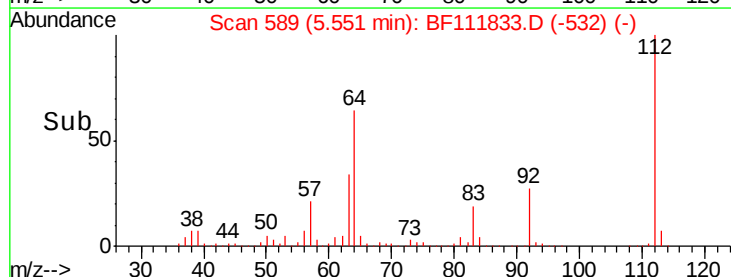
#5

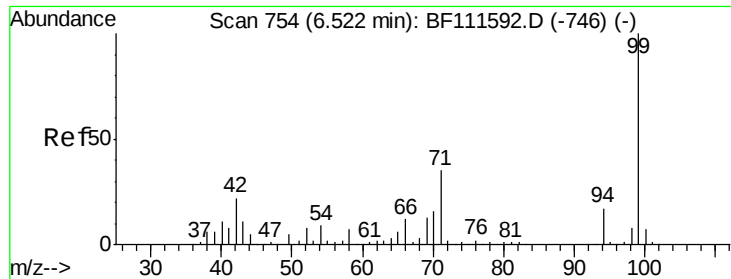
2-Fluorophenol
Concen: 109.666 ng
RT: 5.55 min Scan# 589
Delta R.T. 0.04 min
Lab File: BF111833.D
Acq: 3 Jan 2019 20:48

Tgt Ion:112 Resp: 1711409
Ion Ratio Lower Upper
112 100
64 63.6 51.8 77.6
63 34.3 26.8 40.2



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 102.071 ng

RT: 6.55 min Scan# 759

Delta R.T. 0.03 min

Lab File: BF111833.D

Acq: 3 Jan 2019 20:48

Instrument :

BNA_F

ClientSampled :

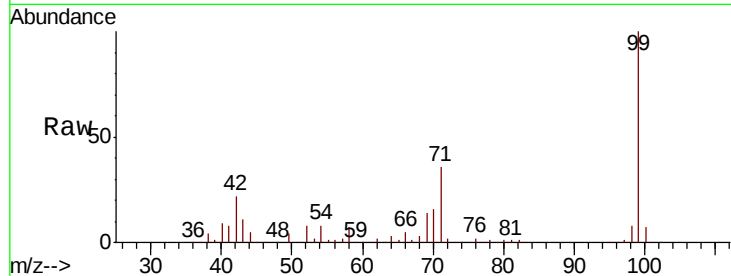
Tot Ion: 99 Resp: 2027197

Ion Ratio Lower Upper

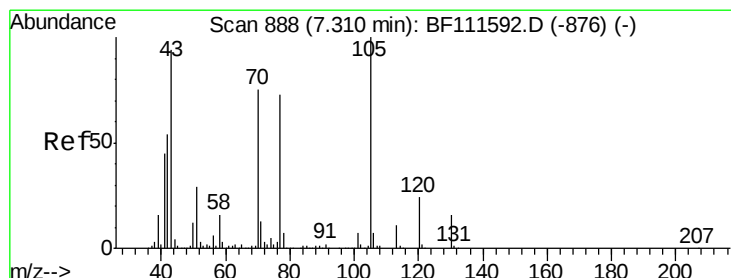
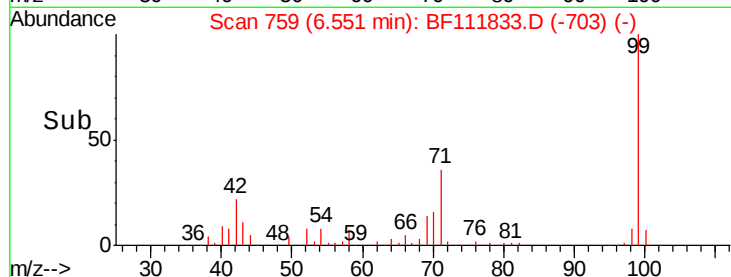
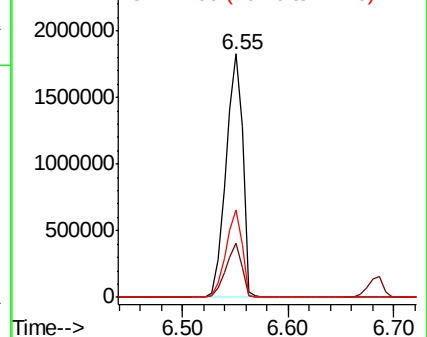
99 100

42 22.2 17.4 26.0

71 36.1 26.1 39.1



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 16.002 ng

RT: 7.46 min Scan# 914

Delta R.T. 0.15 min

Lab File: BF111833.D

Acq: 3 Jan 2019 20:48

Tgt Ion: 70 Resp: 211065

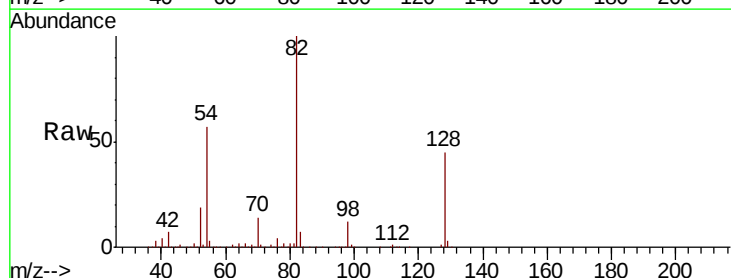
Ion Ratio Lower Upper

70 100

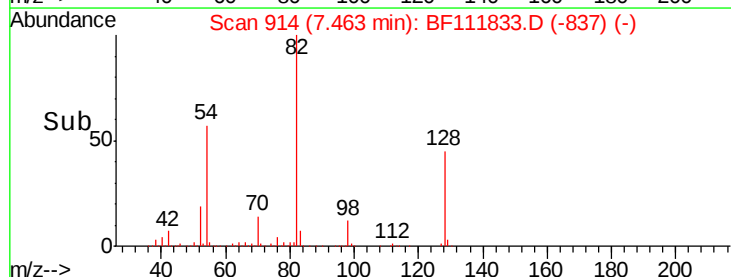
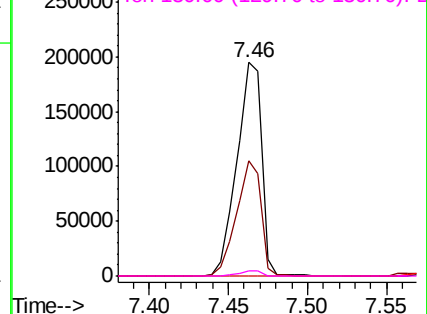
42 54.2 53.2 79.8

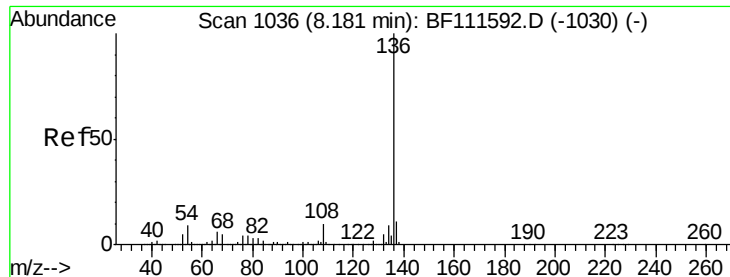
101 0.0 8.2 12.4#

130 2.3 18.1 27.1#



Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): BF1
Ion 130.00 (129.70 to 130.70): BF1

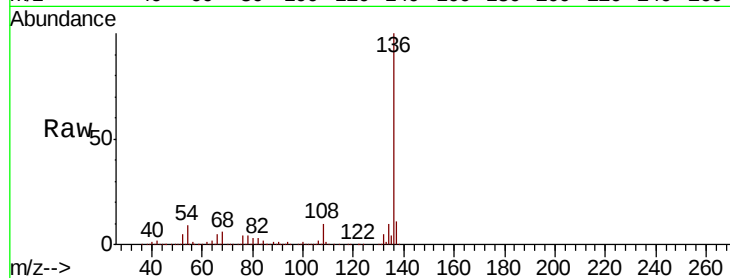




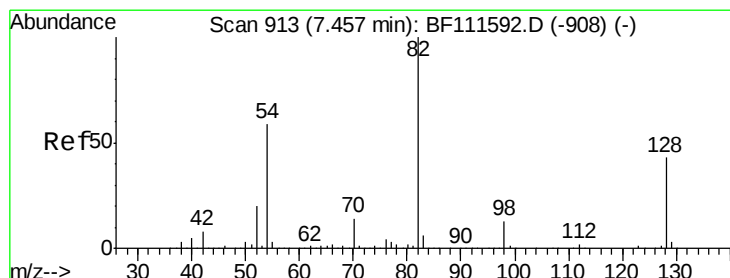
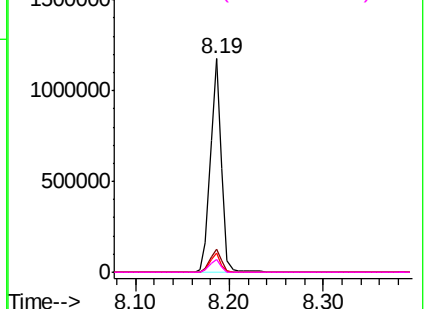
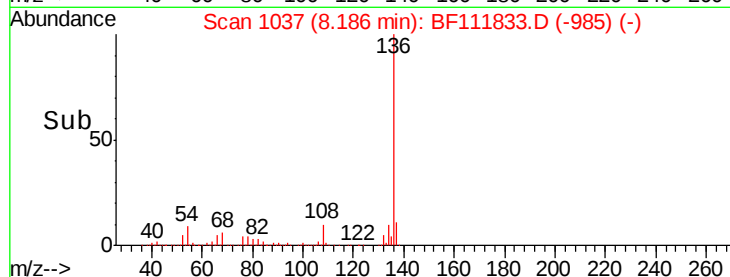
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.19 min Scan# 1037
Delta R.T. 0.01 min
Lab File: BF111833.D
Acq: 3 Jan 2019 20:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	980367
Ion Ratio	Lower	Upper
136 100		
137 11.0	9.1	13.7
54 8.9	7.7	11.5
68 5.8	4.9	7.3

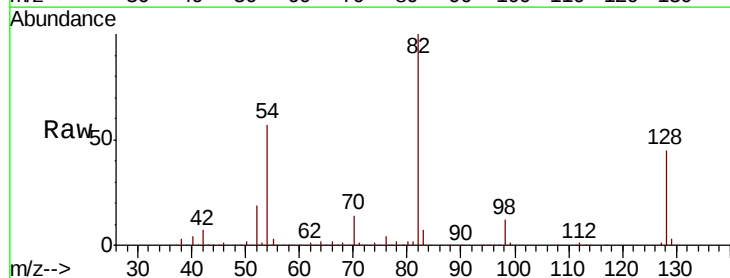


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

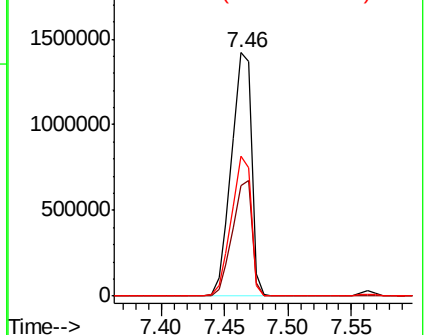
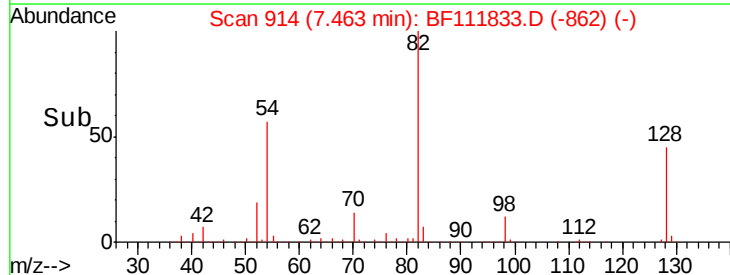


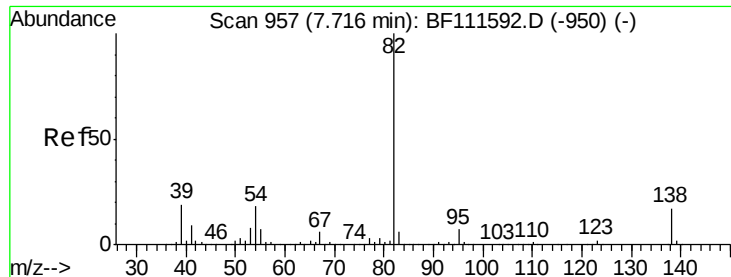
#23
Nitrobenzene-d5
Concen: 92.323 ng
RT: 7.46 min Scan# 914
Delta R.T. 0.01 min
Lab File: BF111833.D
Acq: 3 Jan 2019 20:48

Tgt	Ion: 82	Resp: 1554957	
Ion	Ratio	Lower	Upper
82	100		
128	45.2	37.4	56.2
54	57.2	47.6	71.4



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 51.914 ng

RT: 7.46 min Scan# 914

Delta R.T. -0.25 min

Lab File: BF111833.D

Acq: 3 Jan 2019 20:48

Instrument :

BNA_F

ClientSampled :

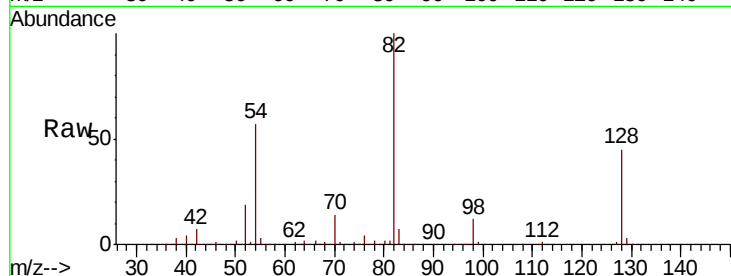
Tot Ion: 82 Resp: 1552257

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

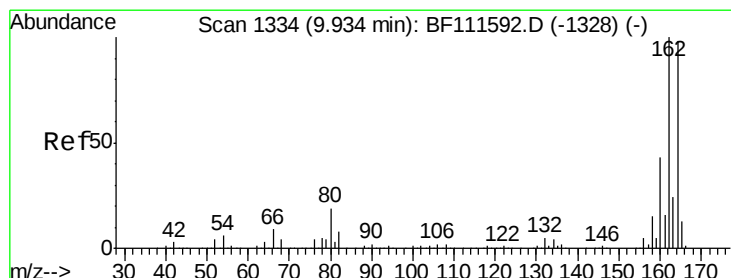
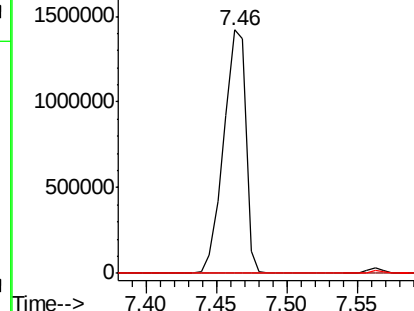
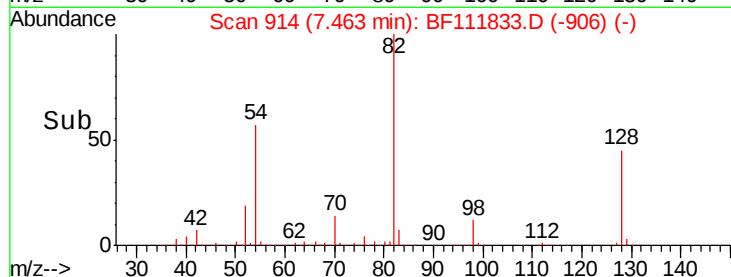
138 0.0 15.1 22.7#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.94 min Scan# 1335

Delta R.T. 0.01 min

Lab File: BF111833.D

Acq: 3 Jan 2019 20:48

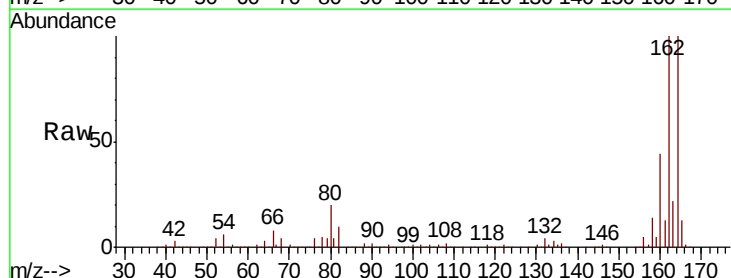
Tgt Ion:164 Resp: 475176

Ion Ratio Lower Upper

164 100

162 100.4 81.4 122.0

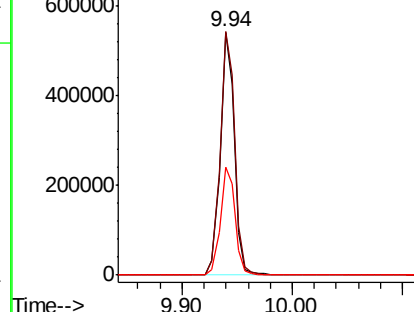
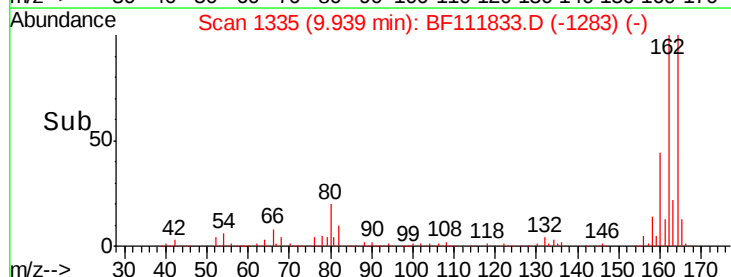
160 44.3 35.7 53.5

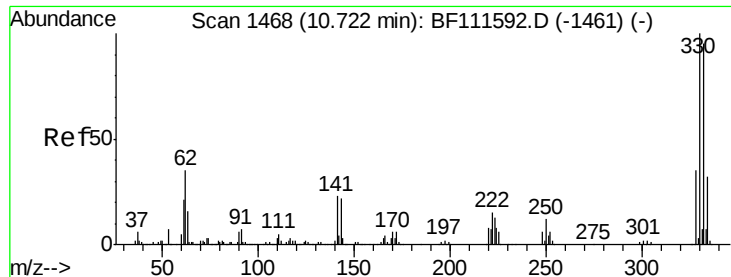


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 121.547 ng

RT: 10.73 min Scan# 1470

Delta R.T. 0.01 min

Lab File: BF111833.D

Acq: 3 Jan 2019 20:48

Instrument :

BNA_F

ClientSampleId :

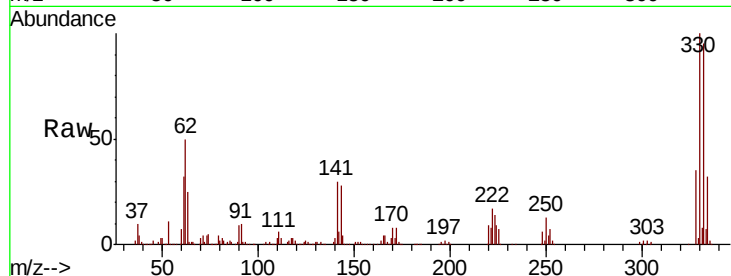
Tot Ion:330 Resp: 682435

Ion Ratio Lower Upper

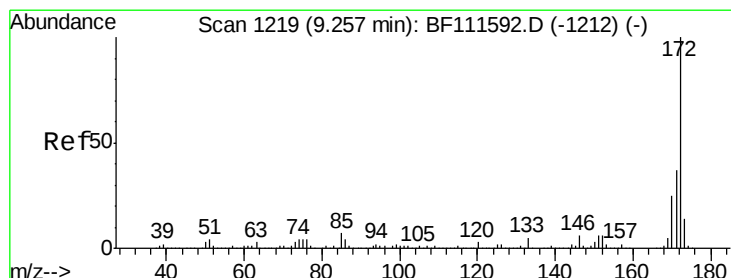
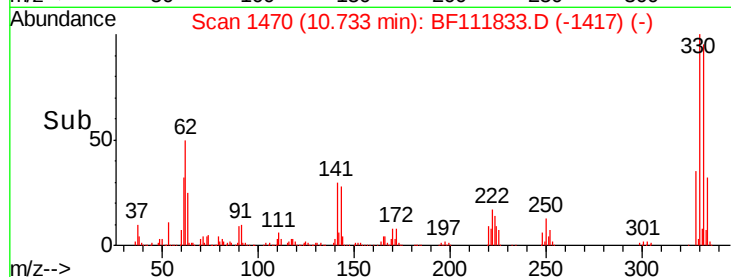
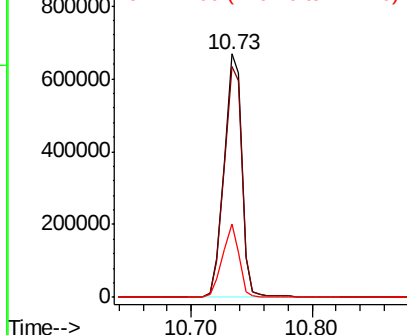
330 100

332 96.7 76.0 114.0

141 28.1 31.0 46.6#



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



#45

2-Fluorobiphenyl

Concen: 84.531 ng

RT: 9.26 min Scan# 1220

Delta R.T. 0.01 min

Lab File: BF111833.D

Acq: 3 Jan 2019 20:48

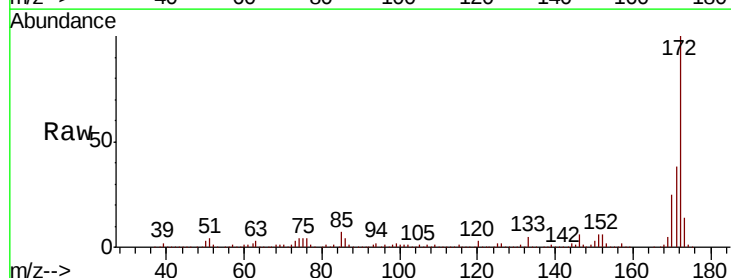
Tgt Ion:172 Resp: 2755741

Ion Ratio Lower Upper

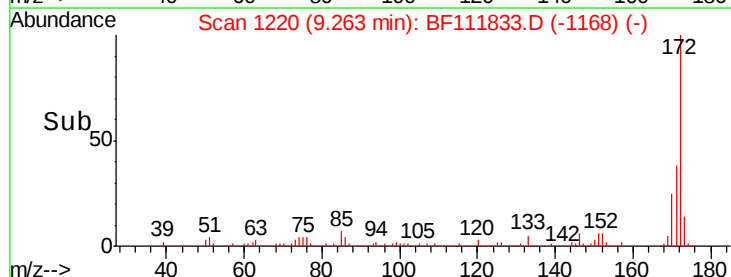
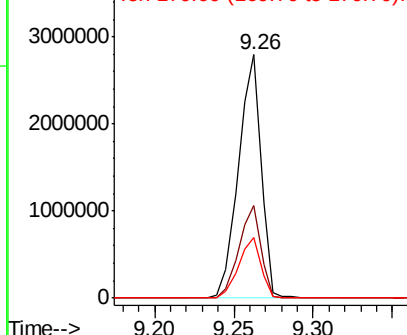
172 100

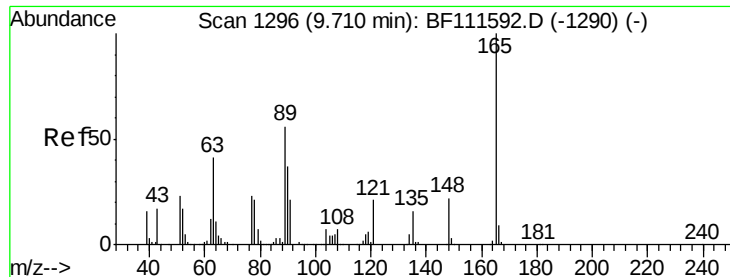
171 37.9 33.0 49.4

170 25.1 22.3 33.5



Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E





#51

2,6-Dinitrotoluene

Concen: 8.800 ng

RT: 9.94 min Scan# 1335

Delta R.T. 0.23 min

Lab File: BF111833.D

Acq: 3 Jan 2019 20:48

Instrument :

BNA_F

ClientSampleId :

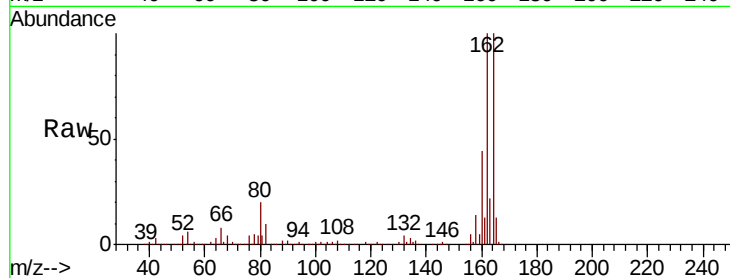
Tot Ion:165 Resp: 60971

Ion Ratio Lower Upper

165 100

63 1.2 40.5 60.7#

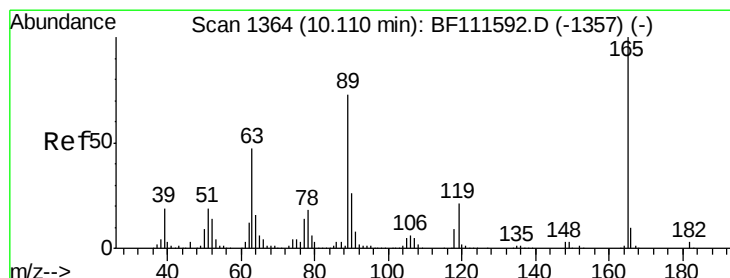
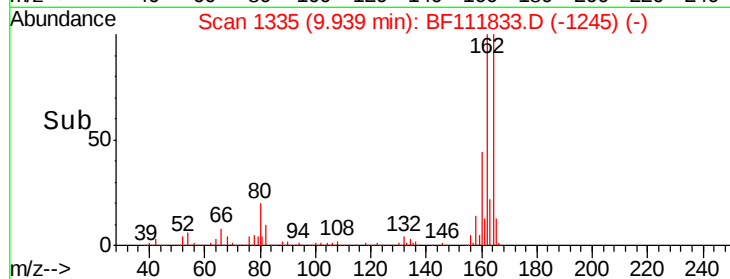
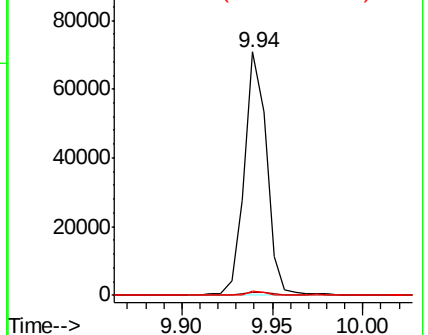
89 1.7 40.0 60.0#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#57

2,4-Dinitrotoluene

Concen: 7.322 ng

RT: 9.94 min Scan# 1335

Delta R.T. -0.17 min

Lab File: BF111833.D

Acq: 3 Jan 2019 20:48

Tgt Ion:165 Resp: 60972

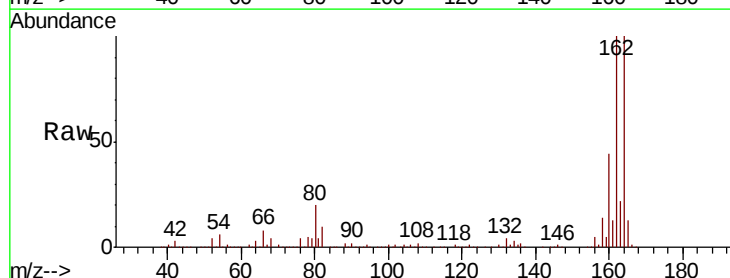
Ion Ratio Lower Upper

165 100

63 1.2 34.6 52.0#

89 1.7 56.2 84.4#

182 0.0 1.8 2.6#

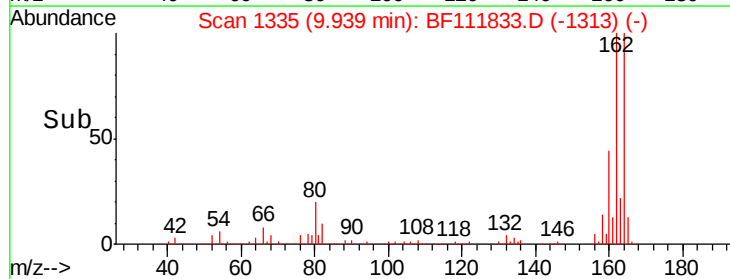
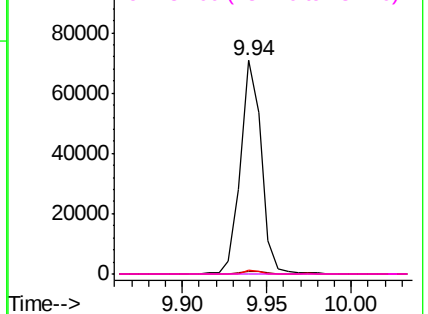


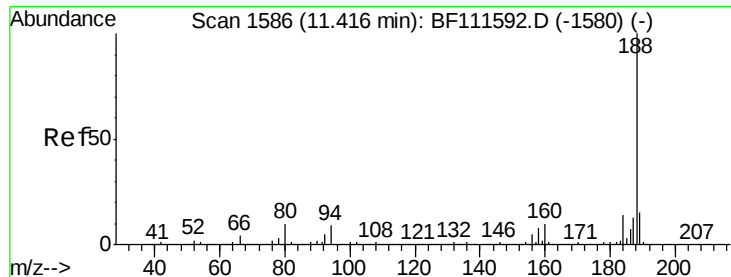
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.43 min Scan# 1588

Delta R.T. 0.01 min

Lab File: BF111833.D

Acq: 3 Jan 2019 20:48

Instrument :

BNA_F

ClientSampleId :

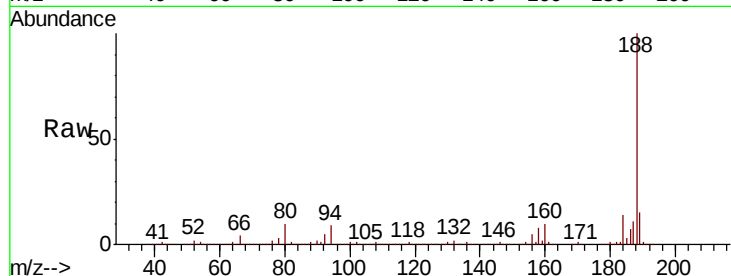
Tot Ion:188 Resp: 731128

Ion Ratio Lower Upper

188 100

94 9.1 9.6 14.4#

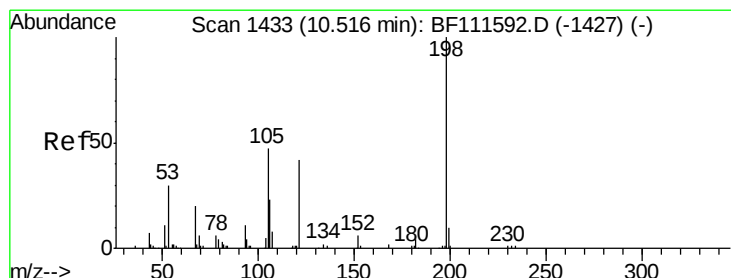
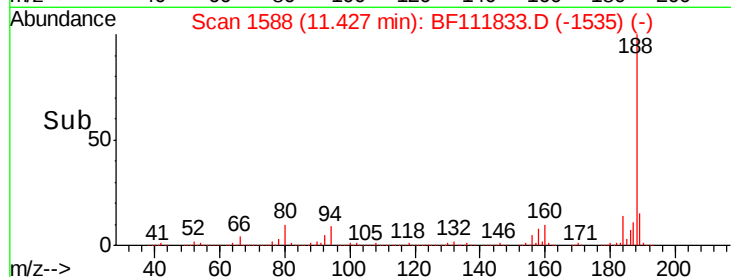
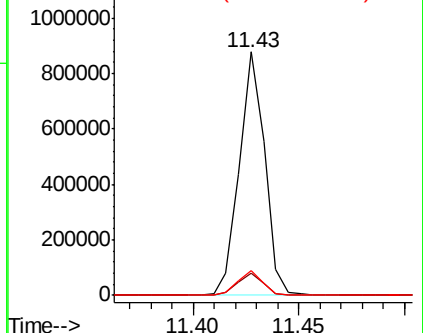
80 10.0 9.8 14.6



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#65

4,6-Dinitro-2-methylphenol

Concen: 7.070 ng

RT: 10.73 min Scan# 1470

Delta R.T. 0.22 min

Lab File: BF111833.D

Acq: 3 Jan 2019 20:48

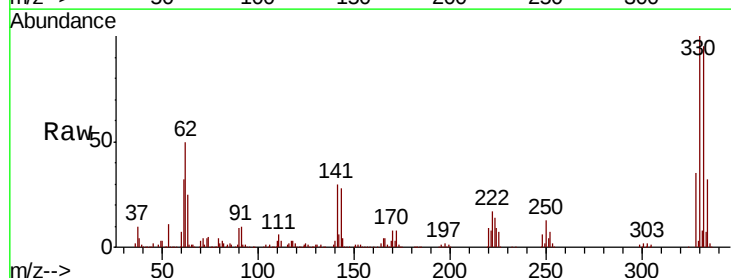
Tgt Ion:198 Resp: 1324

Ion Ratio Lower Upper

198 100

51 170.3 48.0 88.0#

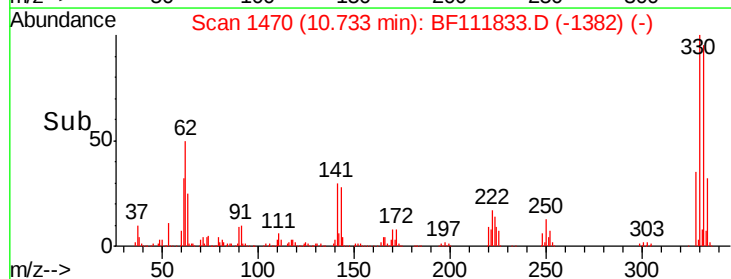
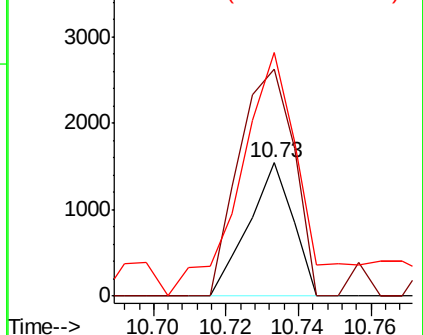
105 182.6 34.0 74.0#

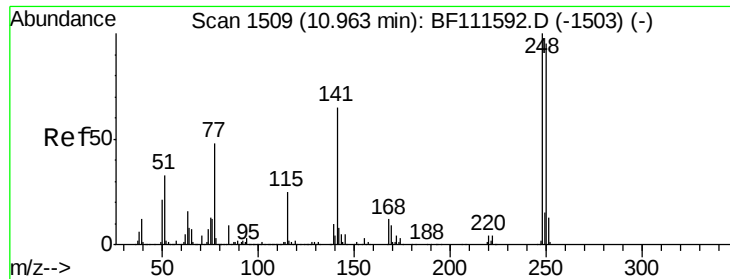


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E





#67

4-Bromophenyl-phenylether

Concen: 4.610 ng

RT: 10.73 min Scan# 1470

Delta R.T. -0.23 min

Lab File: BF111833.D

Acq: 3 Jan 2019 20:48

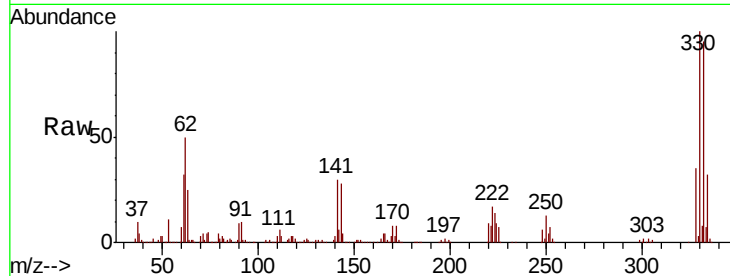
Instrument :

BNA_F

ClientSampled :

Tot Ion:248 Resp: 41809

Ion	Ratio	Lower	Upper
248	100		
250	202.2	77.0	115.4#
141	470.9	63.0	94.6#

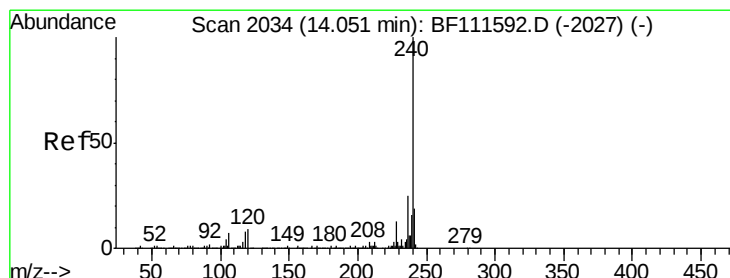
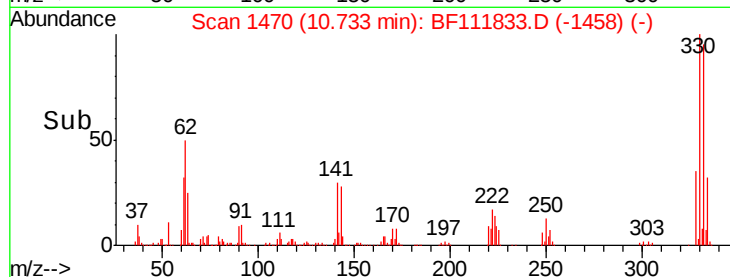
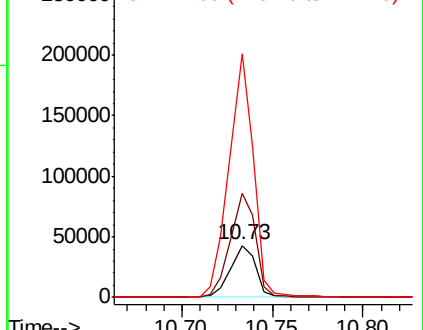


Abundance

Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.07 min Scan# 2037

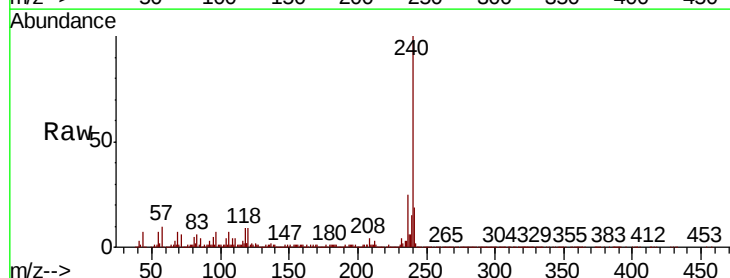
Delta R.T. 0.02 min

Lab File: BF111833.D

Acq: 3 Jan 2019 20:48

Tgt Ion:240 Resp: 506006

Ion	Ratio	Lower	Upper
240	100		
120	9.5	12.2	18.2#
236	25.2	20.2	30.2

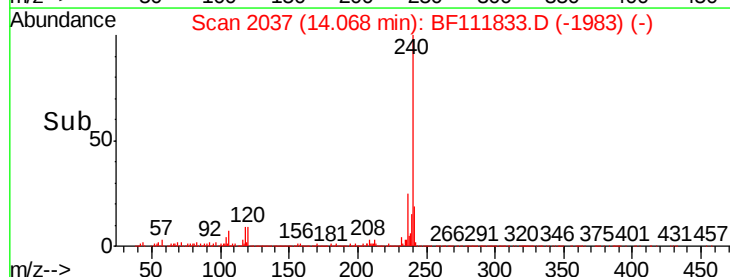
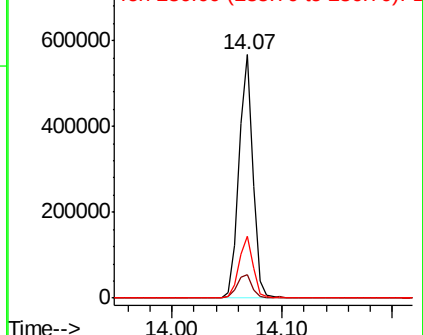


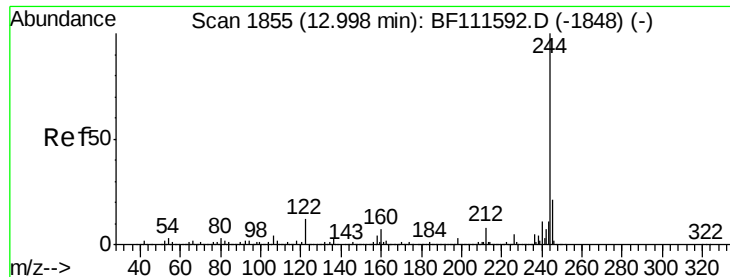
Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 83.130 ng

RT: 13.02 min Scan# 1858

Delta R.T. 0.02 min

Lab File: BF111833.D

Acq: 3 Jan 2019 20:48

Instrument :

BNA_F

ClientSampleId :

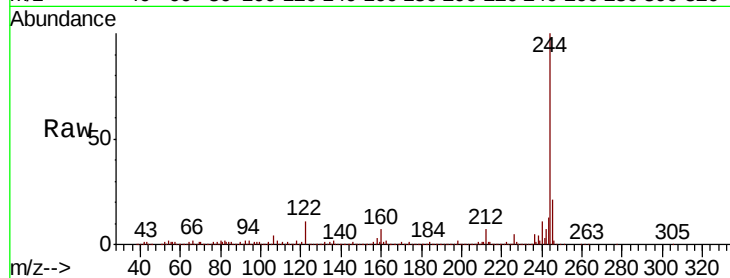
Tot Ion:244 Resp: 2218103

Ion Ratio Lower Upper

244 100

212 7.1 5.7 8.5

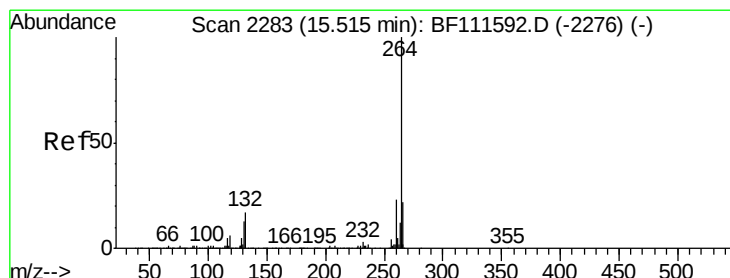
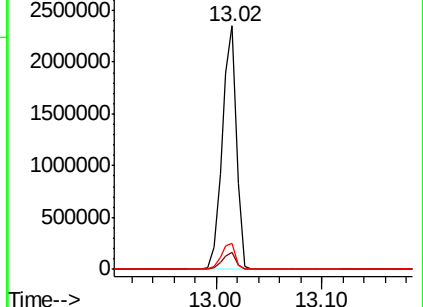
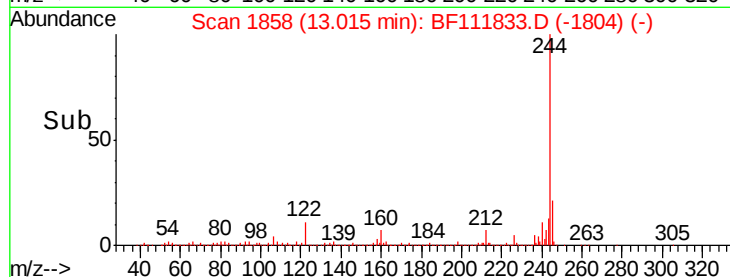
122 10.6 13.1 19.7#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.56 min Scan# 2290

Delta R.T. 0.04 min

Lab File: BF111833.D

Acq: 3 Jan 2019 20:48

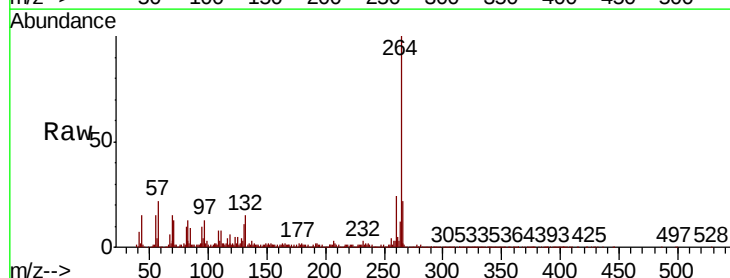
Tgt Ion:264 Resp: 363666

Ion Ratio Lower Upper

264 100

260 23.6 18.3 27.5

265 21.8 17.7 26.5



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

